

Rose-Hulman Institute of Technology

## Rose-Hulman Scholar

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### Volume 15 - Issue 2 - Friday, September 14, 1979

Rose Thorn Staff

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# Donations over \$600,000

Officials from the Terre Haute plant of Pfizer, Inc., have delivered the corporation's initial gift on a \$30,000 pledge to Rose-Hulman Institute of Technology's equipment drive, pushing to over \$600,000 the amount pledged to the program since it began last fall.

With the early returns, in, Rose-Hulman president Dr. Samuel F. Hulbert has termed the equipment drive "one of the success stories of Rose-Hulman."

The figures of Ronald G. Reeves, vice president for development and public affairs, bear this out. A total of 180 equipment proposals have been delivered to companies which employ five or more Rose-Hulman graduates or have a history of providing financial support to the Institute.

"To date, 30 have replied with pledges or gifts totalling over \$600,000," Reeves reports. "While 24 have said 'no' there are many companies still considering the proposals. I'm confident we'll raise the \$1.1 million for equipment we sought

when the program began last fall."

The confidence the industrial community has in Rose-Hulman and its charge of providing an outstanding education for engineers and scientists was further elaborated by Hulbert.

"We're particularly pleased with the leadership shown by Pfizer and a number of other companies," said Hulbert. "Rose-Hulman and the industrial community are partners in an education program which I feel has a high probability of being THE model for undergraduate engineering education in the country."

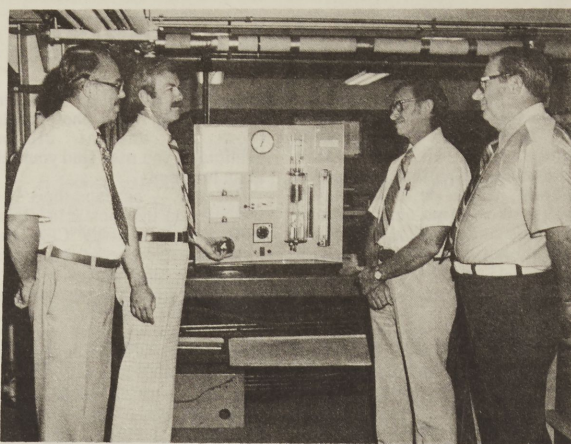
"In addition to hiring our graduates and giving them tremendous challenges very early in their careers and supporting us financially, the industrial community recently assisted Rose-Hulman in detailed assessment of engineering education for the decade of the 1980s and provided valuable input for our curriculum review."

Both Hulbert and Reeves credit a team effort for the success of the campaign.

"Duane Bruley and his division chairmen Bob Steinhauser (civil and mechanical engineering), Glen Richardson (electrical engineering, computer science and physics), Sam Hite (chemical engineering and chemistry), Bill Ritter (mathematics) and Tom Mason (humanities, social and life sciences) worked hard in developing the equipment needs list and prioritizing them." Reeves continued.

"Representatives from several companies mentioned the organization and planning which went into this effort was a key to their support of the total proposal."

Leadership gifts have been received from B. F. Goodrich, Ford, General Motors, Marathon Oil, Pfizer, Procter & Gamble and Standard Oil of Indiana. In addition gifts of two pieces of major equipment valued at \$20,000 or more each have been received from Eli Lilly & Company and Standard Oil of California.



Noel E. Moore (second from left), professor of chemical engineering at Rose-Hulman Institute of Technology, demonstrates the school's recently-acquired two-phase heat transfer experiment for Pfizer, Inc., Terre Haute plant manager Paul Benning (left) and engineer/managers Siebert Thomas and Tom Cundiff. Benning, Thomas and Cundiff, alumni of Rose-Hulman, were on campus to deliver Pfizer's \$30,000 pledge to Rose-Hulman's laboratory equipment drive. The heat transfer laboratory acquisition will be used by senior level chemical engineering students and in special applications in heat transfer courses to study different types of boiling to determine the most efficient conditions for boiling.

## O-club attends meet

by Peter Kehoe

Despite the fact that classes were not in session, it was a busy summer for the Rose Orienteering Club. The club attended the annual United States Orienteering Federation (USOF) Convention in Sault Ste. Marie, Michigan. The convention included four days of competition and three days of clinics and conferences. Clinics were held on map making and training and competition tips were offered from the top U.S. Orienteers.

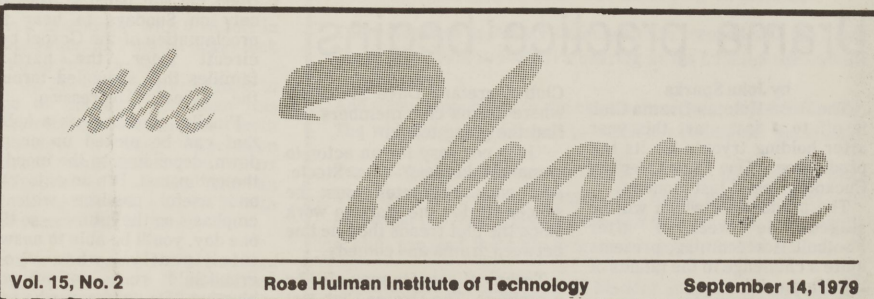
The Rose Orienteers did extremely well. Tim Guetersloh, a senior, won the 21 and over Red (advanced) class. In the 19-20 Orange (intermediate) category members of the Rose O-club took the top four places. David Boes, a sophomore, took first place; Galen Kannarr, a junior, was

second; Mark Ogle was third; and Jim Renfro, a junior, was fourth.

The results were based on the best three out of the four days of competition. Two days were held in the United States; and two in Canada.

However the big news out of the convention was that Rose is to host the 1980 Intercollegiate Orienteering Championships. The meet will decide the United States team for the World Games and is planned for the beginning of May in Yellowwood State Forest.

The base map for the meet was completed over the summer by a Sweden-based company. The Orienteering Club now must complete the task of field checking the area so that the final map will be ready for the meet.



Vol. 15, No. 2

Rose Hulman Institute of Technology

September 14, 1979

## New faculty to start year

Rose Hulman will welcome 14 new employees to its faculty and staff as the Institute opened the 1979-80 academic year.

New to the teaching faculty are Dr. C. Mallory North, professor of mechanical engineering; Dr. Paul F. Hogan, associate professor of chemical engineering; Dr. Teodoro C. Robles, associate professor electrical engineering; Dr. Lo-Yung Su, assistant professor of mathematics; and Dr. Bari Lynn Gilliard, visiting assistant professor of English.

### New administrators

New members of the administration to be introduced at the opening faculty meeting include Raymond J. Miller, vice president for financial affairs; R. Paul Steward, director of student financial aid; Gerald R. Lasko, counselor, assistant football coach and head tennis coach; and D. Gregory Scott, assistant director of the computer center.

Professor North, who formerly was associated with the University of Arkansas Graduate Institute of Technology in Little Rock, earned a B.S. in aeronautical engineering at the University of Florida in 1959 and the M.S. in physics at Florida in 1963. He earned an M.A. in mathematics and a Ph.D. in engineering mechanics at the University of Alabama in 1967 and 1969 respectively.

A registered professional engineer in the State of Arkansas, his experience includes a total of six years of research and development in the aerospace industry in areas of applied mechanics as well as 11 years of university level teaching and research in engineering and applied mechanics.

Professor Hogan, who left a position in the process engineering department of the Xerographics Systems Integration Area of Xerox Corporation in Webster, N.Y., to fill a position in chemical engineering, earned a B.S. in chemical engineering from the University of Pittsburgh in 1965 and a Ph.D. from Rice University in 1965.

Prior to joining Xerox Corporation, he was associated

with the Life Sciences Division of Technology Inc., at the NASA-Johnson Space Center in Houston, Tex. His specialty is the development of system models for use in projection, optimization and latitude analyses.

### Robles in E. E.

Professor Robles, who had been a member of the faculty at Tennessee Technological University in Cookeville, Tenn., since 1971, joins the Rose faculty in the power area of electrical engineering.

He earned a B.S. in electrical engineering at Central Philippine University, Iloilo City, Philippines in 1964 and the M.S. and Ph.D. in electrical engineering at Montana State University in 1969 and 1975 respectively. Robles, who taught at Montana State and the College of Engineering at Central Philippine University, prior to joining the Tennessee Tech faculty, is widely published in the fields of modeling, simulation and the analysis of magnet hydrodynamic - steam electrical power generation systems.

Professor Su, who completed a Ph.D. in mathematics at Texas A & M University in the spring, has taught and been a doctoral student at the Texas school since September, 1973. His specialty is applied mathematics.

He earned a B.S. in applied mathematics from Taiwan National Chung-Hsing University in Taichung, Taiwan in 1967. Following a period of intensive English language training at the University of Kansas, he continued his education in mathematics and computer science at the University of Nebraska, earning the M.S. in 1972.

### Visiting prof

Professor Gilliard, who served as a part time grant writer and development associate during the 1978-79 academic year at Rose-Hulman, will fill a visiting professorship in English this year. She earned an A.A. from Cottey College for Women in 1960, a B.A. and M.A. in English at the University of Montana in 1964 and 1973 respectively and the Ph.D. in English at the University of Utah in 1975.

Mrs. Gilliard, who taught

English in Montana and Utah high schools from 1964 through 1968, has taught and held a number of administrative positions at the University of Utah and Idaho State University. At Idaho State she served as director for the Center for Instructional Improvement, Teacher Corps Consultant/Instructor for ESL and Ethnic Heritage Projects, Project Director and Language Component Professor, Ethnic Heritage Grant, and Writing Laboratory Director for English Composition Students.

Miller, who assumed the duties of vice president of the business function at Rose-Hulman in June, was graduated from the University of Evansville in 1955 with a degree in accounting and finance and cognate study in industrial engineering.

Prior to joining Rose-Hulman, Miller was vice president for administration and treasurer of the Charles F. Kettering Foundation in Dayton, Ohio. He earlier had worked in research and industrial engineering positions with Mead Johnson and Company and Whirlpool Corporation in Evansville and the Department of the Air Force in Indianapolis.

Scott, a May graduate of Wabash College with a B.A. in mathematics and speech, is the new assistant director of the computer center.

Steward assumed the duties of director of student financial aid August 20 after having served as director of student financial aid at Indiana State University since 1973. Steward, who was graduated with a B.S. in music from I.S.U. in 1955, also holds a master's from the University.

He was a music and vocal teacher at Odon, Jasper and Vincennes Lincoln high schools prior to a five-year stay with Indianapolis Life Insurance Company from 1963-68. He joined the financial aid office at Indiana State in 1968, was promoted to associate director in 1970 and director in 1973.

Lasko, who holds a B.S. from St. Joseph's College and an M.S. from Indiana State, will serve as a counselor, assistant football coach and head tennis coach at Rose-Hulman.



The Opera Factory, the second scheduled performance of Rose's Fine Arts Series, will appear Thursday, October 25.

## Fine Arts to return

Rose-Hulman has invited the public to join its students and faculty in attending the school's 1979-80 fine arts series — a series featuring jazz, ballet, choral groups, touring theatre companies and individual performers.

The planning committee for the series is headed by Rose-Hulman professor Benjamin S. Benjaminov. Currently serving his seventh year as president of the Terre Haute Symphony Association, he is also president of the Indiana Association of Symphony Orchestras.

"I think we were able to put together an outstanding series," Benjaminov said. "It supplements and complements the academic experience of students and provides an additional source of cultural growth for the community."

The season begins at 7:30 p.m. Wednesday, Sept. 19, with a presentation by the Indiana University Jazz Orchestra. The 22 Indiana School of Music students will perform selections from swing, bebop, and contemporary music.

The series continues at 7:30 p.m. Thursday, October 25, with the Opera Factory, a company of

professional singers presenting chamber opera. Music director Mark Phelps is an accompanist for the Chicago Opera Theatre and coach at DePaul University.

A popular group from last year's fine arts series, Indiana University's Singing Hoosiers, will return at 7:30 p.m. Wednesday, December 5.

In its third season, the Indianapolis Ballet Theatre will visit the Rose-Hulman campus Tuesday, January 22 at 7:30 p.m.

A concert by Musica Sonora, composed of artists from the Music School Faculty at the University of Illinois, will feature works by Bach, Haydn, and Wilder.

Love, death, money, politics and psychology will form the basis of satire in scenes from the Second City Touring Company's "From the Second City" Tuesday, March 18.

An adjunct professor of music at Rose-Hulman, Professor Joan Singer Spicknall will conclude the series Tuesday, April 15 with a piano recital including the works of Aaron Copland.

Although the fine arts series is designed primarily for Rose-Hulman students, attendance from the community is welcomed and encouraged.



# Genealogy club organized at Rose

by Don Dodson

Do you know who your father is? If you don't know, perhaps you would like to learn something about that unapparent parent. If you do know, maybe you'd like to find out about that grandfather you've always heard about, but never knew . . . or Great-Grandpa Ben who supposedly fought at Chickamauga . . . or that ancestor from way back when that, according to Aunt Charlotte, crossed the Atlantic in a sailing ship when he was barely fourteen years old.

There's information within your reach that can help you piece together the old legends and memories into a colorful family saga that includes old heroes and humbugs, buzzards and battle-axes, even scoundrels and skeletons in its cast of characters.

Granted, finding that information isn't always easy, but doesn't any task worth accomplishing require effort? After interrogating relatives,

inspecting old family Bibles, and investigating faded photographs from an ancient album, eventually you may find yourself at an impasse.

But wait — perhaps there is a way around that obstacle. Rose-Hulman's Genealogy Club can recommend where to turn, suggesting alternatives of which you might not have been aware: U.S. Census rolls and indices, city directories, land records, vital statistics, passenger lists from selected seaports, church records of baptisms, confirmations, and weddings, newspaper indexes, and other sources.

Most of these records are housed either in local and state libraries or in county courthouses. In addition, the Latter-Day Saints make available to the public indexes to their extensive genealogical records. Tombstones, cemetery records, and local history compilations can also be helpful. Formed last year under the sponsorship of Dr. Will Stratten,

the club met this past week to consider ratification of a constitution and to discuss possible programs and activities for the current school year.

Chief among the objectives outlined by the organization is acquainting members with resource materials that prove helpful to genealogists.

Club membership is open to any student, teacher, or staff member with some, little, or no experience in genealogy. Those interested in joining should contact the club through Dr. Stratten in office A-217.

What does genealogy offer the researcher? Besides a familiarity with family lines, it may lead you to find why you're mechanically inclined, why an uncle had a drinking problem, why your grandmother uses terms that are foreign to you, why your family prefers the country to the city.

It can also give you a deeper, personal understanding of U.S. history: the men who came west with the railroads, those who tilled the soil pausing from toil only on Sundays to hear the proclamation of the Gospel by a circuit rider, the hard-hit families that struggled through the Great Depression.

Finally, genealogy is a hobby that can be picked up or put down, depending on the mood of the enthusiast. It's an enjoyable and useful pastime with an emphasis on the future — so that one day, you'll be able to answer intelligently when your grandchild runs up to you, blurring "Do you know who your father is?"

# Drama practice begins

by John Sparks

The Rose-Hulman Drama Club is off to a fast start this year after holding tryouts for its fall production, "One Flew Over the Cuckoo's Nest," last Monday.

The production, which will be staged the weekend after Football Homecoming, presents quite a challenge to the talents of the drama club.

And this challenge is part of the reason for the early start. The extra time is needed to master the difficult parts. More importantly, the Saint Mary-of-the-Woods students that will take part in the play are operating on an accelerated academic schedule, and Rose cannot run the play too late in their semester and expect to attract students.

"One Flew Over the Cuckoo's Nest" revolves around the lives of an assortment of residents of an insane asylum. Through the personalities of these characters comes the message of the work — the insane are not throwaways and can regain their place in society.

And this, according to Drama

Club Secretary Dave Steele, is where drama club members will find the going tough.

"It is not easy for an actor to come off insane," says Steele. And each character must be successful for the story to work since the plot treads the fine line between drama and comedy.

Technical aspects may also be a problem. The Drama Club lost many of their technicians and their lights person to graduation last year.

Consequently, the club is in need of many new members to fill the vacancies. Anyone interested can contact Steele at Box 1117, President Joe Gaines, or Vice-President Brian Weber.

And new actors are always welcome for future performances. The musical "Godspell" is the next major performance scheduled, offering as much of a contrast to "Cuckoo's Nest" as is possible. "Godspell" will be staged next spring.

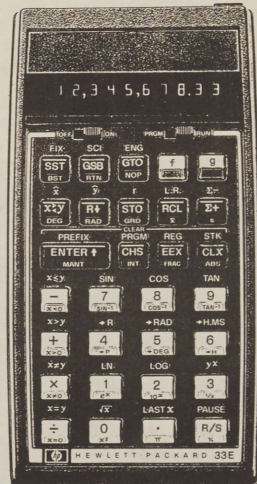
Also, the Drama Club may try some student-directed plays this winter.

# Domanl

A WEEKLY CALENDAR OF UPCOMING EVENTS

Saturday, Sept. 15	Football, Rose at DePauw, DePauw
Tuesday, Sept. 18	Cross Country, Rose vs. Wabash, RHIT, 4:30 P.M.
Wednesday, Sept. 19	IU Jazz Ensemble, Fine Arts Series, RHIT, 7:30 P.M.
Friday, Sept. 21	Outdoor Band Concert, Wabash College Mall, 7:00 P.M.
Saturday, Sept. 22	Football, Rose at Wabash, Wabash
Saturday, Sept. 22	Soccer, Rose at Greenville, Greenville, 1:30 P.M.
Sunday, Sept. 23	Soccer, Rose vs. Maryville, RHIT, 2:00 P.M.
Sunday, Sept. 23	RHA film, "Wizards," RHIT, B-119, 7:30 P.M.
Tuesday, Sept. 25	Cross Country, Rose vs. Indiana State, RHIT, 4:30 P.M.
Friday, Sept. 28	All School Dance, St. Mary's
Saturday, Sept. 29	Football, Rose vs. Hanover Phil Brown Field, 1:30 P.M.
Saturday, Sept. 29	Soccer, Rose vs. DePauw RHIT, 11:00 A.M.
Saturday, Sept. 29	Cross Country, Quadrangular meet RHIT, 11:00 A.M.
Saturday, Sept. 29	"A Night at the Races," SAB, RHIT
Wednesday, Oct. 3	Pop Concert, Ball State Singers, St. Mary's, 8:00 P.M.
Thur., Oct. 4-Sun., Oct. 7	"Mister Roberts," Ball Theater, Wabash, 8:00 P.M.
Saturday, Oct. 6	Football, Rose at Principia Principia

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# Olivet drops Engineers

Rose played a Jeckyl and Hyde game Saturday, and came out on the wrong end of the score against Olivet of Michigan. After dominating first-half action, the Rose offense was completely stymied in the second half, and Olivet took advantage of the scoring lapse to forge ahead and win 23-17.

Rose kicked off to start the contest, and after an exchange of possessions senior quarterback Roy Pilgrian hit Jim Jackson with a long bomb down the sideline for a 73-yard scoring play. Olivet then took advantage of a Rose penalty on the conversion to go for two, and halfback Ray Gipson ran it over for an 8-0 Olivet lead.

Not to be outdone, the Rose offense came right back with a drive of their own. Quarterback Dan Haas moved the team for one first down on his own by scrambling 12 yards, and a personal foul against Olivet moved the ball to the Olivet 31. But five plays later the drive stalled with a Haas fumble at the Olivet 13.

The Rose defense kept Olivet bottled up in their own half of the field on the next several possessions, and it was only a matter of time before the offense could break through.

Sophomore end Doug Plummer provided a break with a fumble recovery near the end of the first quarter, and the offense capitalized on the miscue with a 7-play drive ending in Greg Peak's 30-yard field goal.

The very next Olivet series ended in the same manner, with Plummer recovering a fumble at the 50-yard line. This time Haas led a 9-play series culminating in a pass completion from Haas to flanker John Lewis good for 8 yards and a touchdown.

Another in the series of Coach

Joe Touchton's trick plays caught Olivet unawares, and fullback Troy Matz scampered across on a variation of the old shoestring play for a 2-point conversion that put Rose on top by 11-8, with 13:45 to play in the half.

From here neither team was able to penetrate the other's defenses to score as both teams suffered a series of mistakes. Another Olivet fumble stopped one drive, and they were forced to punt several other times.

One promising Rose sortie resulted in two touchdowns, but no points. After moving downfield steadily sophomore Randy Hancock scored on a 6-yard run that was nullified by a clipping call. Two plays later Haas threw on fourth down for 24 yards and a touchdown to Jim Enloe, but this was also called back, this time for a holding penalty.

Finally, just as it looked as if the half would end 11-8, defensive back Brad Kitchens stepped in front of a Pilgrian pass at the 40 and threaded his way down the sideline 32 yards to the Olivet 8 with only a minute left in the half.

Haas moved the ball to the one with a keeper, and then bulldozed over from the one for the tally with 40 seconds remaining in the half. Greg Peak's extra point attempt was wide, however, so Rose found itself up only 17-8 at the break.

The team should have stayed in the locker room, as they could do little right in the second half. After forcing four turnovers in the first half, the defense allowed two touchdowns, and didn't recover any Olivet mistakes in the second half.

But it wasn't all their fault as the offense wasn't able to

generate any momentum, and the defense was constantly on the field. One bright spot was the punting of Jim Novacek, who kicked 9 times for a 38 yard average on the day.

After the Rose offense was unable to move the ball after the opening kickoff, Olivet moved methodically down the field on a 45-yard drive in 14 plays, with Pilgrian sneaking over from the one for the touchdown.

A broken play on the conversion attempt turned into two points for Olivet as Pilgrian hit Joe Hoover, who made a spectacular diving catch to put Olivet within one, 17-16.

The contest continued to be extremely physical, and both teams found it tough going for the next 20 minutes. The Rose pass blocking was ineffective for much of the second half, and Haas was sacked repeatedly.

But the Olivet offense showed some movement, and their repeated thrusts finally paid off in a touchdown with 6:08 left in the game, as Pilgrian again took it over from the one.

Up 23-17, Olivet forced Rose to go to the air, and Haas was intercepted twice in the fourth quarter. A final desperation drive engineered by Kurt Pfanstiel also ended with an interception on the Olivet 25 with 30 seconds left in the game.

For the game Rose managed 14 first downs to 11 for Olivet, but were outgained 309 yards to 246. Troy Matz was the leading rusher with 36 yards, and quarterback Dan Haas completed 7 of 30 for 89 yards.

Next week the Engineers travel to Depauw for a 1:30 game with the Tigers. Depauw will be seeking to avenge last year's come-from-behind 20-18 win by the Engineers.

## Rose harriers get fast start

by Will Hentzen

The cross country team did remarkably well last week, beating St. Joe's 23-34 in a Tuesday dual, and taking fourth of eight teams with a school-record setting performance at the Wabash Hokum Karem four days later, to open the 1979 campaign.

Freshmen standouts Mike O'Brien and E.J. Rosenberg broke into Rose's all-time honor roll with the 6th and 10th fastest times in the school's history as they were first and second at St. Joe's. Their times were 26:39 and 26:50.

John Whitaker and Dean

Billheimer placed 4th and 7th in the same meet, with excellent first meet times, and Whil Hentzen and John Smith took 9th and 10th to round out the Engineers' scoring.

Butler edged Hanover 19-25 in a tightly fought Hokum Karem that saw Rose take fourth to Depauw, 35-32. Indiana Central had tied Rose, but was given fifth because their fourth team was behind Rose's.

O'Brien and Rosenberg placed fourth of 43 pairs with a possible school record Hokum Karem time of 29:00.0. 14th were Whitaker and Billheimer, breaking the tape at exactly 30

minutes, and Hentzen and Smith took 17th in 30:36 to total 35 Engineer points. The combined three team time of 89:36 shattered the old school record of 92:24.

The Harriers travelled to Butler Wednesday for their Invitational, and the freshmen and sophomores run at the Danville Jr. College Invitational today. Next Tuesday, Wabash College visits the Rose campus to run against the rapidly improving Rose team.

Other meets during the year will be the DePauw Invitational on Sept. 22, the Hanover Invitational on October 6, and the Purdue Invitational on October 12.

The team will also face Indiana State and Sewanee in dual competition. The year's final meet will be the C.A.C. Championship at Rose on November 3.

by Paul Curtin

The soccer team will face many formidable opponents this year, not the least of which is their own field. The team faces a greatly improved schedule in the coming season, and will be participating in two conferences.

Last year the team posted a 5-5-1 record, but in the words of coach Rendel, "All of the teams we face this year will be better than any team of last year."

The tougher competition will be provided in the Indiana-Illinois Soccer Conference, which includes established teams at schools like Wabash, DePauw, and Principia. Rose entered this conference in order to get games more easily with schools in the area, and to allow the players to get experience

against top-notch players.

In addition to this regular season schedule, the squad will play a Homecoming game against ISU, whom they defeated last year, and several other opponents. At the year's end the team travels to Sewanee for the round-robin CAC tournament.

The first game was to have been played Saturday, September 15, but due to the unplayable condition of the home field this game was cancelled.

The Indiana monsoon season took its toll on the soccer field, washing away most of the topsoil and newly planted seed. As a result, the team was forced to reschedule most of its home games, and will play only 2 matches at home all year, the first being the game versus ISU.

Apart from the schedule and field problems, the team itself looks stronger this year. Only one of last year's starters failed to return, so the experience gained in last year's first varsity season will serve well for the coming season.

The first practices were devoted to conditioning (running), and scrimmaging started this week. The first game experience of the year will come in an intrasquad meet Sept. 15, and the next weekend the season begins with games at Greenville and Maryville. Contests with Wabash, MacMurray, Blackburn, and I.S.U.-Evansville will follow. The C.A.C. tournament begins November 1.

## P-FAN at the snap

by Ernest "Thooth" Thayer

It looked extremely rocky for the engineers that day  
23 to 17 with but 1 minute left to play  
So when Haas threw out his pass arm  
And thus proved his limb was lame,  
The ever-optimistic men  
Gave up upon the game.

The sober few got up to go, leaving there the rest  
With Millers, Bud, and Michelob keeping tabs upon the test.  
And they thought, "If only P-FAN could get his hands on that,"  
But pallor wreathed the home team bench  
Upon which Pfanstiel sat.

For Rose was on defensive and might never get the ball.  
But Olivet was punting! To the wonderment of all  
And when the switching teams had cleared  
and the ref began his sign . . .  
The Engineers were in position on their own fifteen-yard line.

Then from the drunken multitude there rose a mighty yell,  
It winged its way to Heaven and it thundred down through Hell  
It rippled up the Wabash with a strong resounding slap,  
For P-FAN, mighty P-FAN was advancing to the snap!

There was ease in P-FAN's manner as he stepped onto the field,  
There was pride in P-FAN's bearing as his huddled teammates wheeled,

And when, responding to the cheers, he slowly raised his hands,  
The whistling crowd began to knock the railing off the stands.

Ten or twenty eyes were on him as he knelt down in the dirt,  
Twenty-seven tongues repeated that name upon his shirt,  
And when the center grasped the ball that sat upon the ground,  
A glint creased P-FAN's eyes as he slowly looked around.

And then the pig-skin covered bladder snapped up through the air.

And P-FAN grasped and passed it in one liquid motion there.  
Then four full sets of hands reached upward for the ball,  
And when the smoke had cleared, there had been no catch at all.

From the stands, sauced up with Smirnoff's, there went up a muffled roar,  
The referees looked up to see what the sots were screaming for

"Interference!" "Interference!" called the ref to stay alive.  
And the ball was placed for Hulman on the Comet thirty-five.

With a smile of hidden victory great P-FAN's helmet shone,  
He stepped up to the scrimmage line as if the game was won.  
He shouted to the center and once more the oblong flew . . .  
And the Engineers moved forward to the Comet twenty-two.

The grin is gone from P-FAN's lips, he tries to concentrate,  
Joe Touchton on the sidelines starts to gnash his upper plate,  
And now the center grasps the ball  
And now he lets it go,

And now the air is shattered  
By the arc of P-FAN's throw . . .

Oh, somewhere in this favored land the lamps are burning bright;

The students study homework and knurd all through the night,  
And somewhere men are partying and somewhere drunkards fall,

But there is no joy at Hulman —  
Mighty P-FAN's lost the ball.

Submitted to the THORN with  
apologies to "Casey"

FRANKLY SPEAKING

...by phil frank



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## Soccer team sets tougher schedule



## EDITORIAL

## This time, the sky is falling

The seniors are the lucky ones: it won't get to them in time. Most juniors will probably escape unscathed. Some of the sophomores may manage to make it through with few ill effects. But the freshmen! Pity the poor freshmen! It seems they are probably doomed.

What is this menace, the monster, which threatens to engulf us all? No, it's not some new virus, nor a renewed military draft, nor even "the curse of coeducation." Instead, it is the demise of the Rose-Hulman faculty, but the real cause is a nine-letter word starting with an "i" and ending in an "n" which Presidential adviser Alfred Kahn used to call "bananas."

Inflation threatens to severely damage the quality of education at Rose by forcing the departure of our best faculty members, and interfering with the hiring of new ones. The first signs of this impending disaster can already be discerned around the campus.

Several departments have had job openings they cannot fill. For example, Mechanical Engineering was three men low last year, while Chemical Engineering went an entire year with an open slot. Many other professors have departed this summer or will depart soon, tempted by job offers from industry far exceeding what they can earn at Rose. Faculty members don't expect to earn industry-level salaries while teaching, but they do expect a wage commensurate with their education and experience.

Most students don't realize it, but the salary they earn at graduation will exceed that received by many of their instructors. Last year's average job offer for Rose B.S. graduates was \$19,044 per year. While professors are naturally reluctant to disclose their salaries, a bit of checking showed that this is considerably more than a first-year Ph.D. receives when he begins here. So much for starting salaries.

Advancement and salary increases for seniority do little to help the situation. The high offer to a 1979 Rose graduate, \$21,300, would be envied by many professors with five years experience. Certainly, upper level salaries in industry are far better than salaries for similar experience at Rose.

What this means is that a man who has spent seven to ten years on his collegiate education will receive less money than the students he teaches receive for four years of work. Likewise, many professors earning about \$20,000 annually can move to industry and immediately start at \$30,000 to \$35,000. It shouldn't be hard to see why Rose is losing faculty members.

Let's get one thing straight: no one went into teaching to get rich. Most do it because they get other rewards for their efforts, and they enjoy the atmosphere of the university. It is admittedly a nine-month job, but most good pros put in more than 40 hours a week and spend at least part of the summer working on their courses. Thus, professors deserve a reasonable salary, especially when they are as good as most instructors at Rose.

A few years ago, the situation was reasonably equitable. This has changed. Department of Labor statistics show that college professors' salaries have been hurt more by inflation than those of any other group — down 19% over the past five years, after allowing

for inflation. If this continues, more professors will leave in order to adequately support their families or just themselves, and we'll be left mostly with graduate students, the lazy, the incompetent, and the burned-out. That would be the beginning of the end for Rose, whose only attraction is the quality of education it provides.

So let's just raise salaries and forget it, right? Wrong. Where does the money come from? The administration sincerely wants to raise salaries, but they just can't afford it.

Rose gets money from its investments (the endowment), gifts, and tuition. Although the endowment might be better-managed, it would still not generate much more interest revenue. To tap the endowment itself would be folly: many small schools have used their endowment to fund day-to-day expenses, and have gone broke in a few years. Gifts are used mainly for capital improvements, such as lab equipment, or for scholarships.

So, all that's left is a tuition increase. Tuition went up 7% this year, and faculty salaries rose 7%. Inflation is about 13%, so our instructors lost 6% more on this contract. President Carter's wage and price guidelines, followed by virtually no one, made a convenient excuse for the 7% raise, but following the guidelines only exacerbates the problem.

What is needed is an across-the-board tuition increase, plus yearly hikes to allow completely for inflation. Then, faculty salaries can be upped to levels more appropriate for their skills. A \$500 per year increase in tuition, distributed over 1160 students, would raise \$580,000. If we allotted \$180,000 to more scholarships, that would leave \$400,000 for salaries. Rose has fewer than 100 professors, even counting administrators, so an average salary increase of about \$5000 could be made. That would improve the situation immensely.

A \$500 increase in tuition would present problems for some students, of course. However, it should be noted that a tuition of even \$3750 annually totals \$15,000 for four years, or less than one year's salary after graduation. Few other private colleges can guarantee such a return. Actually, for the quality of education provided, Rose's tuition is too low compared to other schools.

Several means are available to get students the extra money. Much scholarship aid is based on total costs, and a tuition increase would be covered by these programs. Students could always take out larger loans, since they are virtually guaranteed a sizeable income after graduation. Work-study could be expanded, mainly by eliminating some of the maintenance done by hired men and replacing them with students. Most colleges use far more student help than does Rose. Another possibility would be student workers in the food service.

An increase in tuition is not the ideal solution, but it is probably the only solution. Inflation will gradually leave faculty salaries farther and farther behind, and eventually most of the good professors will look elsewhere.

Rose will lose some applicants and students may have to work harder to support themselves, but they will still be able to learn. To do nothing may save a little money, but will doom Rose to eventual mediocrity.

Page 5

## Equipment donations skyrocket

by F. M. Arouet

Corporate donations to the Rose-Hulman equipment fund are setting new records, according to Vice-President for Development Ron Sleeves.

Early in 1931, Rose sent out requests to various corporations for specific laboratory equipment that was needed. These requests were sent to corporations who had never employed Rose graduates before.

As Sleeves explained, "Those companies who have hired graduates have already done their bit for the school... we've almost run out of janitorial positions, so we've got to get graduates jobs somewhere."

As of last week, responses had been received from 417 of the 389 companies solicited, a result called "superb and very prompt" by Rose President

Beauregard Sam. A Total of 408 of the responses were "No!" or four-letter words to that effect.

Some companies did come through, however. General Meters Corporation donated a bore-hole enlarging device to the M.E. Department, where it has been installed and dubbed "The Rose Ream."

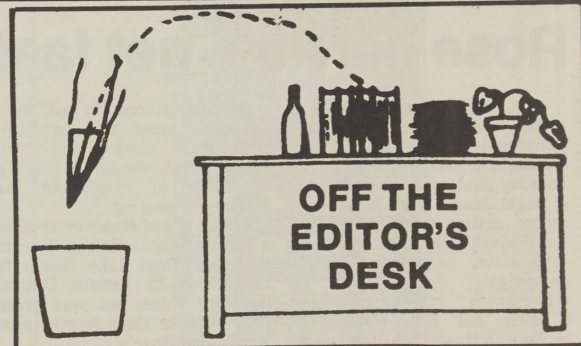
Gerald Ford Motors, another major Rose non-employer, provided one of the most valuable donations when it gave the Electrical Engineering Department one dozen Bic pens. Department personnel explained that this will require students to make permanent records, as opposed to the current practice of numbers written in pencil which change as required by the desired result.

Several gifts involved electrical apparatus and equipment. Prehistoric Service

Indiana (PSI) provided two new 50-Watt light bulbs, one of which even worked. Untied Delco sent six fresh "C" batteries, which will be used to light the fieldhouse during basketball season.

Commenting on the magnitude of the corporate response, Sleeves concluded "If response to the Master Plan is this high, we should be able to complete it sometime around 2065."

"Page 5" is an oft-weekly column of insipid humor, deranged logic, and alleged satire written by various people who have been here too long in an effort to maintain their sanity (we're failing). Please take it in the spirit in which it is written. All references to persons, places, things, and/or subatomic particles are entirely fictitious.



by Dwight Dively

Error! Error! I must apologize for screwing up two headlines in last week's issue. The Tom DeLuca headline should have said Friday and the Thom Bishop headline should have read Saturday. From now on, I'll stick to editing and leave the proof-reading to those who know what they're doing.

\*\*\*\*\*  
Plaudits are in order for the freshman class. Several organizations have reported higher than average frosh turnout at their first meetings, which indicates a commendable spirit and interest in "getting involved."

This trend is very true of the THORN, too. We had a fantastic freshman turnout for our introductory meeting — far better than the last couple of years. If these men keep up their interest, I promise you the best paper in years.

So, congratulations, freshmen!

\*\*\*\*\*  
Several people who didn't make it to last spring's graduation have enquired about who won the various awards presented to outstanding seniors and faculty members.

Tim Jackson, a mechanical engineering graduate from Piqua, Ohio, won the Heminway Gold Medal for the highest G.P.A. among graduating seniors.

Jackson, who has accepted a job with General Motors in Dayton, compiled a 3.995

average during his four years. He had also won two of the other yearly academic awards: the Bogart Prize at the end of the sophomore year and the Wischmeyer Award after the junior year.

The John Royce Award, which is given by the faculty to the senior who is chosen most outstanding based upon scholarship, citizenship, and participation in campus activities, went to Dale Campau of Greenfield, Indiana.

Campau was selected earlier in the spring as the outstanding senior chemistry major, and graduated summa cum laude. His campus activities included the American Chemical Society and Tau Beta Pi, in which he served as president. He is currently enrolled at Duke University studying pharmacology.

Dr. Gerald Y. Matsumoto won the Dean's Outstanding Teacher Award. He has taught in the Mechanical Engineering Department since 1976.

Matsumoto earned all three of his degrees at the University of California at Berkeley, and taught at Penn State before coming to Rose.

The Vice President for Student Affairs, Dr. Jess Lucas, was selected as the recipient of the President's Outstanding Service Award.

Lucas received his Ph.D. in 1970 from Indiana State, and has been at Rose since 1968.

## The THORN

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"The credibility gap is so wide that our suspicions are confirmed by any official denial." — Laurence Peter

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